

SYSTEM AND METHOD FOR UTTERANCE VERIFICATION OF CHINESE LONG AND
SHORT KEYWORDS

ABSTRACT OF THE DISCLOSURE

An utterance verification system and method includes: a new formulation of
log-likelihood ratio (LLR) that discriminates between true and mis-recognition scores; a new
dynamic threshold setting that permits each keyword to have its own individual threshold;
and/or use of higher resolution subword units for HMM based (Hidden Markov Model-based)
utterance verification. The system and method are especially suited for automated processing
of speech of syllable-based languages, for example, Chinese (for example, Mandarin or
Cantonese).